Acer recommends Windows 8.

explore beyond limits™

TravelMate | P

P645-V / P645-VG

Best business partner

- Superior productivity
- Steadfast reliability
- Seamless connectivity

Acer ProDock II (Optional)

Top view

Rear view

Windows 8 Pro

Wide View Angle

Microsoft Lync

Purified.Voice

Acer ProDock

DASP

Acer Office Manager

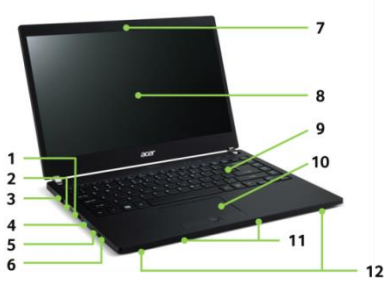
TPM

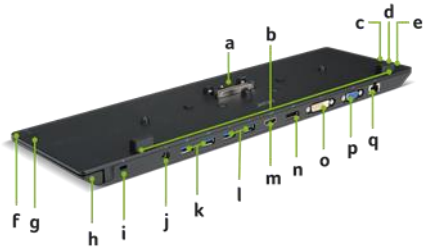
ProShield Security

Fingerprint Reader with PBA

Acer recommends Windows 8.

TravelMate P645-V / P645-VG — SPECIFICATIONS





Product views

1	HDMI® port	**9**	Chiclet keyboard with LED backlight	**a.**	144-pin connector	**j.**	DC-in jack
2	VGA port	**10**	Touchpad, fingerprint reader and NFC (optional)	**b.**	Notebook rests	**k.**	USB 3.0 ports with USB charging function
3	Ethernet port	**11**	Dual-array microphones	**c.**	Microphone jack	**l.**	USB 3.0 ports
4	USB 3.0 port	**12**	Two 2 W speakers	**d.**	Headphone/speaker jack	**m.**	HDMI port
5	Microphone jack	**13**	Two USB 3.0 ports	**e.**	Line-in jack	**n.**	DisplayPort
6	Audio jack	**14**	Kensington lock slot	**f.**	Power indicator	**o.**	DVI port
7	HD webcam	**15**	DC-in jack	**g.**	Power button	**p.**	External display (VGA) port
8	14" Full HD, 1920 x 1080, anti-glare display			**h.**	Release lever	**q.**	Ethernet port
				i.	Kensington lock slot		

Operating system[1, 2]

Windows 8 Pro 64-bit

Windows 8 64-bit

CPU and chipset[1]

Intel® Core™ i7-4650U vPro™ processor

Intel® Core™ i7-4600U vPro™ processor

Intel® Core™ i5-4350U vPro™ processor

Intel® Core™ i5-4300U vPro™ processor

Memory[1, 3, 4]

DDR3L SDRAM support:

- 4 GB of single-channel, onboard DDR3L system memory, upgradable to 12 GB of dual-channel DDR3L system memory using a single soDIMM module

Display

14" display with IPS technology[5], FHD 1920 x 1080 resolution, high-brightness LED-backlit TFT LCD

- Wide viewing angle of up to 170 degrees; ultra-slim design; 16:9 aspect ratio; mercury free, environment friendly

14" HD 1366 x 768 resolution Acer ComfyView™ LED-backlit TFT LCD

- Ultra-slim design; 16:9 aspect ratio; mercury free, environment friendly

Graphics[6]

AMD Radeon™ HD 8750M with 2 GB of dedicated DDR3 VRAM (P645-VG model only)

Intel® HD Graphics 5000 with 64 MB of dedicated system memory (P645-V model only)

Audio

High-definition audio support

Two built-in stereo speakers

MS-Sound compatible

Acer PureZone technology with two built-in stereo microphones, featuring beam forming, echo cancellation, and noise suppression technologies

Storage

Card reader: SD card

Hard disk drive: 320 / 500 GB 2.5-inch 5400 RPM[7]

Solid state drive: 120 / 256 GB, SATA 6 Gb/s[1, 7]

Webcam[1]

Video conferencing

- Acer Crystal Eye HD webcam with 1280 x 720 resolution and 720p HD audio/video recording

Wireless and networking[1]

WLAN:

- Acer InviLink™ Nplify™ 802.11a/b/g/n wireless LAN
- Supporting Acer SignalUp™ wireless technology

WPAN:[1]

- Bluetooth® 4.0

LAN:

- Intel® I218LM Gigabit network connection with Intel® AMT 9, IEEE P802.3az Energy Efficient Ethernet™ (EEE)

WWAN:

- HSPA+ / HSUPA / HSDPA / WCDMA 2100 / 1900 / 900 / 850 MHz
- GSM / GPRS / EDGE 850 / 900 / 1800 / 1900 MHz
- WCDMA / HSDPA PS: upload 384 kbps / download 3.6 Mbps; HSDPA Category 6, 8, 9, 10, 12, 14
- HSPA+: upload 5.76 Mbps / download 21.6 Mbps

Security[1]

Acer ProShield Security Manager including:

- BIOS Settings: BIOS Password, Boot Order, and Import/Export BIOS settings
- Credential Manager: Fingerprint Registration
- Pre-Boot Authentication: Fingerprint Management
- Data Protection: File Encryption and Decryption, Personal Secure Drive
- Data Removal: File Shredder

Acer Bio-Protection fingerprint solution, featuring Pre-Boot Authentication (PBA)
Trusted Platform Module (TPM) solution
Enhanced Acer DASP (Disk Anti-Shock Protection)
BIOS user supervisor, HDD passwords
Kensington lock slot

Dimensions and weight[1, 9]

Dimensions: 328.7 (W) x 235.5 (D) x 20.8 (H) mm (12.94 x 9.27 x 0.82 inches)

Weight: 1.6 kg (3.53 lbs.) with 3-cell battery pack, solid state drive; 1.6 kg (3.53 lbs.) with 3-cell battery pack, one hard drive

Power adapter and battery[1]

Power adapter: 3-pin 65 W HSF type AC adapter[10]

Battery: 54 Wh 4850 mAh 11.1 V 3-cell Li-polymer battery pack

Battery life:[11, 12] 8 hours

Input and control

Keyboard: 86-/87-/91-key Acer FineTip backlit keyboard with international language support
TouchPad: Multi-gesture touchpad, supporting two-finger scroll and pinch. Swipes access charms, application commands and previous applications
Control Keys: Communication key, microphone mute key, programmable key

Windows Store Apps[13]

ISP & Communications

- Skype™

Productivity

- Evernote®
- Skitch

Windows Desktop Apps[13, 14]

Content

- Microsoft Office trial

Multimedia

- Nero BackItUp 12 Essentials

Productivity

- Acer Registration

Security

- Acer ProShield
- McAfee® Anti-Theft shortcut
- McAfee® Internet Security Suite Trial
- McAfee® Virus Definitions
- Norton™ Online Backup
- Starsoftcomm ZDL shortcut

Utilities

- Acer Identity Card
- Acer Office Manager Agent
- Acer Office Manager Console
- Acer Power Management
- Acer Recovery Management
- Acer Updater
- Device Fast-Lane
- ExpressCache
- Launch Manager

Web links

- Acer Accessory Store

Options and accessories

3-pin 65 W HSF AC adapter[10]

Acer ProDock

2 / 4 GB DDR3 soDIMM module

System compliance

GS

EPEAT® Gold

HSF

ENERGY STAR®

Mobile PC 2002

ACPI 3.0

Warranty

One-year International Travelers Warranty (ITW)

Quality and reliability tests

Temperature and humidity
Hinge life
Weight and pressure
Acoustics
Spillage
Free drop
Shock and vibration
Electrostatic discharge immunity
Keyboard-switch life
MTBF (mean time between failures)

1. Specifications vary depending on model.
2. 64-bit software is required to enjoy the advantages of 64-bit processing.
3. Shared system memory may be allocated to support graphics, depending on system memory size and other factors. Actual system memory available to the operating system will be reduced by any memory used by the graphics solution and resources required by the operating environment.
4. Memory speed may vary, depending on the CPU, chipset or memory fitted.
5. All brands and product names mentioned herein include trademarks of their respective companies and are used solely to describe or identify the products.
6. Resolution/refresh rates depend on display capability and color/depth settings.
7. 1 GB is 1 billion bytes. Actual formatted capacity is less and may vary depending on preloaded materials and operating environment. Acer Recovery Management uses a portion of the stated hard disk capacity as dedicated backup space.
8. Two VQE-enabled Acer notebooks/tablets are required to enjoy the exclusive benefits and added performance of VQE.
9. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
10. HSF: Hazardous Substance Free.
11. The listed battery life is based on MobileMark 2012® productivity mode testing with wireless on. Details of MobileMark 2012® testing are available at www.bapco.com. Battery life rating is for comparison purposes only. Actual battery life varies by model, configuration, applications, power management settings, operating conditions, and utilized features. A battery's maximum capacity decreases with time and use.
12. The battery will hold up to 80% of its original capacity after as many as 1000 recharges. A full recharge comprises a complete charge-and-discharge cycle, and does not always occur each time the notebook is plugged in to a power source, as several partial charges can add up to a full recharge.
13. Bundled software may vary depending on hardware configuration, OS and regional availability.
14. Trial periods vary depending on the geographic region and specifications: 365-day trial for China, Taiwan, Hong Kong and Singapore (Simplified Chinese and Traditional Chinese OS models); 60-day trial for other regions.

As a phenomenon known to thin-film transistors (TFTs), liquid crystal displays (LCDs) commonly exhibit a small number of discoloration dots, as so-called "non-conforming pixels." This phenomenon is a limitation of TFT LCD technology, not a product defect, and as such is not covered by Acer's warranty.
In a continuing effort to improve the quality of our products, information in this document is subject to change without notice.
Images shown are only representations of some of the configurations available for this model. Availability may vary depending on region.
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About Acer

Established in 1976, Acer is an information and communication technology company dedicated to the research, design, marketing, sale and support of innovative products that enhance people's lives. Acer's green supply chain delivers environmentally friendly PCs, displays, projectors, servers, tablets and smartphones — tools our customers need to explore beyond limits and experience more. Ranked No. 3 for notebooks globally (IDC 2012), Acer employs 8,000 people, and 2012 revenues reached US$14.7 billion. Please visit www.acer.com for more information.

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